

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 April 2005 (21.04.2005)

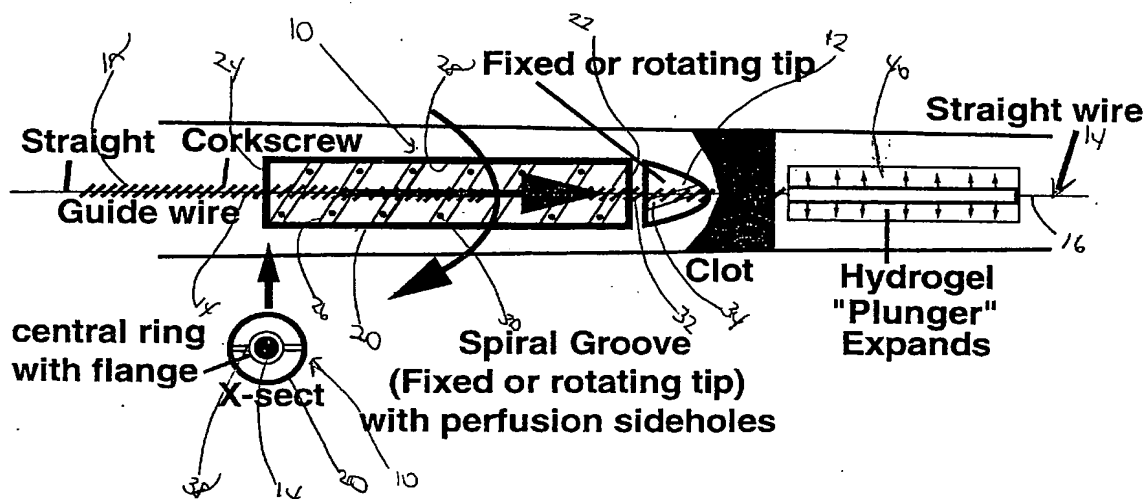
PCT

(10) International Publication Number  
**WO 2005/034776 A1**

- (51) International Patent Classification<sup>7</sup>: **A61B 17/22**, 17/32 (74) Agent: **RINALDO, Amy, E.**; Kohn & Associates, PLLC, 30500 Northwestern Highway, Suite 410, Farmington Hills, MI 48334 (US).
- (21) International Application Number: **PCT/US2004/033049** (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 7 October 2004 (07.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/509,377 7 October 2003 (07.10.2003) US (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (for all designated States except US): **HENRY FORD HEALTH SYSTEM** [US/US]; 1 Ford Place, 4B, Detroit, MI 48202-3450 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MEHTA, Bharat, A.** [US/US]; 13648 N. Queens Harbor Boulevard, Jacksonville, FL 32225 (US).
- Published:  
— with international search report

[Continued on next page]

(54) Title: **EMBOLECTOMY CATHETER**



(57) Abstract: A grooved embolectomy catheter (10) having lumen including a grooved insertion end (22). A method of treating a thrombus in an individual in need of treatment by inserting the above catheter into an individual, at a location in need of treatment, and rotating the catheter within the individual at the location in need of treatment, thereby breaking apart the thrombus is provided.

WO 2005/034776 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*